

SAFETY DATA SHEET BIOGNOST® According to Regulation (EC) No. 1907/2006

amended by Regulation (EU) No. 2020/878

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Trading name:	BIO-DIFF 2 REAGENT		
Product code:	BD2-OT-X**	Date of compilation: 14 November 2022	Version: 4

SECTI	ON 1: Identification of t	the substan	ce/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	BIO-DIFF 2 REAGENT			
	Chemical name:	-			
	Catalogue number:	BD2-OT-X	BD2-OT-X**		
1.2.	.2. Relevant identified uses of the substance or mixture and uses advised against		xture and uses advised against		
	Uses:		Buffered r	red component of Bio-Diff kit.	
	Uses advised against:		Only the i	dentified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier	of the safety	y data sheet		
	Supplier:	E	BioGnost Ltd.		
	Address:	١	Medjugorska 59, Zagreb		
	Telephone number:	Telephone number: +		+385 1 2409997	
	Fax no.:		+385 1 2404039		
	e-mail of competent person: n		msds@biognost.hr		
	National contact:	-	-		
1.4.	Emergency telephone number				
	National Protection and Rescue Dir Medical information:		rectorate:	112	
				+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and category	y code:	Hazard statements*:		
	Not identified as hazardous subst	tance.	-		
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard-sta	atements: see S	ection 16		
2.2.	Label elements				
	Product identification:	BIO-DIFF 2 R	EAGENT		
	Identification number:	-			
	Authorization no.:	-			
	Hazard pictograms:	-			



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Signal v	vord:			
Hazard statements:		-		
Precautionary statements:		-		
Supplemetal hazard information				

2.3. Other hazards Endocrine Disrupting Properties:

(EU):

No known endocrine disrupting properties.

SECTION 3. Co	SECTION 3. Composition/information on ingredients				
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
-	-	-	Contains no hazardous substances	-	

SECTI	CTION 4. First aid measures				
4.1.	Description of first aid measu	ıres			
	General notes:		-		
	Following inhalation:	`	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.		
	Following skin contact: Following eye contact:		Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.		
			Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.		
	Following ingestion:	1	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.		
	Self-protection of the first aider:		Treat symptomatically.		
4.2.	Most important symptoms a	nd effe	cts, both acute and delayed		
	Following inhalation:		ation of large amounts of vapors in inadequately ventilated perimeter ause coughing, sneezing, headache and nausea.		
	Following skin contact:	_	irritation. After short exposure, resorption effects are not likely. Long- exposure may cause drying, cracking and tingling sensation of skin.		
	Following eye contact:	Direct eye contact may cause slight to moderate irritation, la burning sensation.			



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	Following ingestion:	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.	
4.3.	Indication of any immediate medical attention and special treatment needed		
	-		

SECTION 5. Firefighting measures			
5.1.	Extinguishing media		
	Suitable extinguishing media: Small fire - water spray, dry powder, CO ₂ Large fire - water spray or alcohol-resistant foam		
	Unsuitable extinguishing media: water jet		
5.2.	Special hazards arising from the substance or mixture		
	Hazardous combustion products: No information available		
5.3.	Advice for firefighters		
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.		
5.4.	Additional information		
	Remove sources of heat and ignition.		
	Do not contaminate the environment with extinguishing media.		

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personne				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Wear protective equipment (s	ee Section 8).			
6.2.	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.				
6.3.	Methods and material for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.			



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6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.
6.3.3.	Other information:	-
6.4.	Reference to other section	ns
	See Section 7 for information about secure handling. See Section 8 for information about personal protective equipment. See Section 13 for information about containment.	

SECTIO	ON 7. Handling and storage						
7.1.	Precautions for safe handling						
7.1.1.	Protection measures						
	Measures to prevent fire:		Keep away from sources of heat and ignition. Do not smoke.				
	Measures to prevent aerosol and dust generat	ion:	Secure proper ventilation.				
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.				
	Other measures:		-				
7.1.2.	Advice on general occupational hygiene:						
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.						
7.2.	2. Conditions for safe storage, including any incompatibilities						
	Technical measures and storage conditions:	ventil	in tightly closed and upright set containers in a well lated storage rooms, and away from sources of heat, ght, and other incompatible substances.				
	Packaging materials:	Manu	ufacturer's original packaging.				
	Requirements for storage rooms and vessels:	•	away from food and drink. Keep the containers y closed.				
	Advices for storage equipment:	be re	torage must be made of hard material; floors must sistant to chemicals. There must be no drain that tly leads into sewage system. Secure proper lation.				
	Further information on storage conditions:	and c	ot place the unused material in the storage room do not use empty containers for storing other sicals. Do not store with incompatible materials (see on 9).				
7.3.	Specific end use(s)						



Soil (agricultural)

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Product code:	BD2-O	Г-Х**	of compilatio	n: 14	Novem	nber 2022	2 Version: 4	4	
Recomme	ndations:								
		cific solution	ns:	_					
SECTION 8. Expos	ure contr	ols/persona	al protec	tion					
8.1. Control pa									
Substance		CAS I	No	Occupationa values/sho			Biolog	gical limit valu	ıes
					ppm mg/m³]		
-		-		-		-	No informa	tion available	
Substance - name:									
EC No: -	EC No: - CAS No:		-						
DNEL			·						
				Industrial					
Route of exposure:	,	Acute A		Acute	Chroni		nic	Chroni	С
Route of exposure.	effe	ect local effec		ect systemic	stemic effect lo		ocal	effect syst	emic
Oral	-		-		-	-			
Inhalation	-		-		-	-			
Dermal	-		-				-		
Critical physical par	ameters:	solubility, fla	mmabili	ty, corrosivity:		-			
			1	Consumer	_				
Route of exposure:		Acute		Acute		Chronic		Chroni	
	effe	ect local	effe	ect systemic		effect local		effect syst	emic
Oral	-		-		-		-		
Inhalation	-		-		-		-		
Dermal	-		-		-		-		
PNEC				DNIEG					
Environmental prot	ection tar	get		PNEC		!! - !-	l -		
Fresh water					No information available				
					No information available				
					No information available				
					No information available No information available				
	COMOGO +	oatmont							
Freshwater sediments Marine water Marine sediments Food chain Microorganisms in sewage treatment				No info	ormation ormation	n availab n availab	le le		

No information available



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Air			No information available						
8.2.	Exposure controls								
8.2.1.	Appropriate engineering controls								
	Substance/mixture related measures to prevent expediuring identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.						
	Structural measures to prexposure:	revent	No information available						
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.						
	Technical measures to pre exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.						
8.2.2.	Personal protection equip	nal protection equipment							
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166 visor.							
8.2.2.2.	Skin protection	Skin protection							
			tective gloves must be according to the EU Directive 2016/425/EEC and adard EN 374.						
	Hand protection:		Glove material: nitrile rubber						
			Glove thickness: ≥0.50 mm Break through time: >480 min						
	Other skin protection:		r antistatic clothing made of natural fibers (such as cotton) with long ves (EN 13034), and shoes that cover the entire foot (EN 10335).						
8.2.2.3.	Respiratory protection:	filter f	ective full face mask (EN 136) or half mask (EN 140) equipped with a for organic vapors, type "A" (boiling point >65°C) acording to EN 7) used when concentration levels exceed GVI.						
8.2.2.4.	Thermal hazards:	No inf	nformation available						
8.2.3.	Environmental exposure	controls	S						
	Substance/mixture relate measures to prevent expo		See Section 6						
	Structural measures to pr exposure:	event	Use modern equipment.						
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.						
	Technical measures to pre exposure:	event	See Section 6						

SECTION 9. Physical and chemical properties



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	Value	Method
Physical state:	liquid	No information available
Color:	red	No information available
Odour/odour threshold:	no odor/no information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lower and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
pH:	5.5 – 6.5	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative density	No information available	No information available
Relative vapour density:	No information available	No information available
Particle characteristics:	No information available	No information available

SECTIO	SECTION 10.: Stability and reactivity					
10.1.	Reactivity:	See subsections 10.3 through 10.5.				
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.				
10.3.	Possibility of hazardous reactions:	No information available.				
10.4.	Conditions to avoid:	No information available.				
10.5.	Incompatible materials:	No information available.				
10.6.	Hazardous decomposition products:	No information available.				

SECTION 11. Toxicological information



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Acute toxici	ty:							
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure	time	Results		
Oral exposure:	No information available	-	LD ₅₀	-	-			
Dermal exposure:	No information available	-	LD ₅₀	-		_		
Inhalation exposure:	No information available	-	LC ₅₀	_		-		
Specific targ	get organ toxicity – si	ngle exposure ((STOT SE):					
	Specifi	c effects	Target	organ		Note		
Oral exposure:	No information a	available	No information	on available	_			
Dermal exposure:	No information a	available	No information available -					
Inhalation exposure:	No information a	available	No information available -					
Aspiration h	nazard:	No info	rmation available					
; •		i i						
Irritation an	d corrosion:							
i i	Exposure time	Species	Evaluation	Method		Note		
Skin irritation:	-	rabbit	-					
Eye irritation:	_	rabbit	_					
	_ [!					
Sensitizatio	n							
	No information avail	able						
Inhalation exposure:	No information avail	able						
Symptoms i	related to the physica	l, chemical and	toxicological chara	cteristics				
					ne mout	th, burning		
Oral exposure:	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.							
Dermal exposure:		•	sure, resorption effe ingling sensation o		ely. Lon	g-term exposu		



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Inhalation exposite.			large amounts eezing, heada	•		adequately vent	ilated perim	eter may cause	
Eye exposure: Direct eye sensation.		-	ye contact may cause slight to moderate irritation, lacrimation and burning n.						
Repeate	ed dos	e toxicity (sub	acute, subchro	onic, chroni	ic)				
1 21-2-2		Dose	Exposure time	Species	-,	Method	Evaluation	n Note	
Subacute oral	No avail	information able	No information available	No informati available	on	No information available	No information	on -	
Subacute dermal	No avail	information able	No information available	No informati available		No information available	No informatio available	on -	
Subacute inhalation	No avail	information able	No information available	No informati available		No information available	No informatio available	on -	
Subchronic oral	No avail	information able	No information available	No informati available	on	No information available	No information available	on -	
Subchronic dermal	No information available		No information available	No informati available	on	No information available	No information available	on -	
Subchronic inhalation	No avail	information able	No information available	No informati available	-	No information available	No information available	on -	
Chronic oral	No avail	information able	No information available	No informati available	on	No information available	No information available	on -	
Chronic dermal	No avail	information able	No information available	No informati available	-	No information available	No information available	on -	
Chronic inhalation			No information available	No informati available		No information available	No informatio available	on -	
					TOT -				
Specific	target	1	y – repeated e	xposure (S	TOT R			Note	
Subacute oral			pecific effects		Target organ			Note -	
Subacute drai Subacute dermal			tion available		No information available No information available		-		
Subacute inhalat			tion available			nformation avai		_	



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Subchro	ronic oral No information		on available	No information available	-			
Subchro	ronic dermal No information		on available	No information available	-			
Subchro	ronic inhalation No information		on available	No information available	-			
Chronic	oral	No informati	on available	No information available	-			
Chronic	dermal	No informati	on available	No information available	-			
Chronic	inhalation	No informati	on available	No information available	-			
	ř							
	CMR effects (c	arcinogenicity;	mutagenicity; repr	oductive toxicity)				
	Carcinogenicity:		Current studies	Current studies on test animals did not indicate carcinogenic effects.				
	Mutagenicity in-vitro:		Current <i>in vitr</i>	Current in vitro tests did not indicate mutagenic effects.				
	Genotoxicity:		No information	No information available				
	Mutagenicity i	n-vivo:	Current in vivo	Current in vivo tests did not indicate mutagenic effects.				
	Germ cell muta	agenicity:	No information	No information available				
	Reproductive t	oxicity:	No toxicity or organs.	n reproductive organs was deter	mined in reproductive			
	Summary of ev	valuation of the	e CMR properties:	-				
11.2.	Information or	n other hazards	:					
11.2.1.	Endocrine disr	upting propert	ies:					
	No known end	locrine disrupti	ng properties that	affect human health.				
11.2.2.	Other informat	tions:						

SECTION 12. Ecologi	SECTION 12. Ecological information											
12.1. Toxicity												
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note						
Fish	LC ₅₀	96 hours	No information available	No information available	-	-						
Crustacea:	EC ₅₀	48 hours	No information available	No information available	-	-						
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	-	-						
Microorganisms	LC ₅₀	72 hours	-	-	_	-						
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note						



Soil

No information available

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Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	_	-	-	-	-	-

12.2. I	Persistence and degradability	tence and degradability									
,	Abiotic degradation										
	Degradation half-lives	Method	Evaluation	Note							
Marine water	No information available	No information available	No information available	-							
Fresh wat	ter No information available	No information available	No information available	-							
Air	No information available	No information available	No information available	-							

No information available

No information available

Biodegra	Biodegradation										
% Degradation	Time (days)	Method	Evaluation	Note							
No information available											

	accumulative potenti										
Oc	Octanol-water partition coefficient (log Kow)										
Value	Concentration	рН	°C	Method	Evaluation	Note					
_	No information available	-	-	No information available	No information available	-					
Bio	Bioconcentration factor (BCF)										
Value	Spec	ies		Method	Evaluation	Note					



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						- 1						
No info available	rmation e	No availab	inform	ation	ation No informati		on	No infor				mation
-	Chronic e	cotoxicit	<u></u>									
	Value		Dose		osure ime	Spe	ecies	Met	hod	Eva	aluation	Note
Chronic	toxicity or	ifish	LC ₅₀	No infor availa	mation able	No infori availa	mation able	No informa availab		No inforr availa	nation Ible	-
	toxicity or ea (<i>Daphni</i> e		EC ₅₀	No infor avail	mation able	No infori availa	mation able	No informa availab		No inforr availa	mation Ible	-
12.4.		predicte	ed distributi	on in e	environm	ental o	compart	ments:				
	No inform		ailable									
	Surface to Value	ension:	°C		oncentra	+i.o.p		Metho	۸			loto
	No	No									ı	Note
	information available		ormation ailable	_	informat iilable	tion	No inte	ormatior ole	.	-		
	Adsorptio	n / deso	rption									
Transpo	ort	on / deso A/D coef lenry's co	ficient	lo	og Kow	Ev	/aporatio	on rate	Me	ethod		Note
Transpo Soil-wat	ort H	A/D coef lenry's co in	ficient		nformatio	n N	vaporation o informaliable		Me No info	rmatio	on -	Note
	ort H H ter No avail	A/D coef lenry's co in able in	ficient onstant	No ir availa	nformation able nformation	on No av	o inform	nation	No info	ormation	-	Note



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12.6.	Endocrine disrupting properties						
	No known endocrine disrupting pro	perties that affect the environment.					
12.7.	Other adverse effects						
	No adverse effects are expected.						
SECTIO	N 13. Disposal considerations						
13.1.	Waste treatment methods						
13.1.1.	Product/Packaging disposal:						
	Submit for disposal to the legal portion.	erson authorized by the Ministry of Environmental and Nature					
13.1.2.	Waste codes/waste designations a	according to Law:					
	No information available						
	1						
13.1.3.	Waste treatment – relevant inform	nation:					
	No information available						
13.1.4.	Sewage disposal – relevant inform						
	Waste must not be disposed of in	to the sewage system.					
13.1.5.	Other disposal recommendations:						
	authorized by the ministry in char	emains into the sewage system. Submit the remains to the collectors ge. Do not dispose of the packaging into the sewage system. Submit athorized by the ministry in charge. Do not dispose of in places where					
13.1.6.	Relevant Community provisions:						
	-						
SECTIO	N 14. Transport information						
	Transporting/shipment by road (AD	R)					
UN num	nber: N	ot subject to transport regulations.					
UN prop	per shipping name: -						
Transpo	ort hazard class(es): -						



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Packing group:		-			
Environmentally has		-			
Special precautions		-			
<u> </u>	ng/shipment by rail				
UN number:		Not subject to transport	regulations.		
UN proper shipping	name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmentally has	zardous:	-			
Special precautions	for user:	-			
Inland wat	erway transport (A[ON)			
UN number:		Not subject to transport	regulations.		
UN proper shipping	name:	-			
Transport hazard class(es):		-			
Packing group:		-			
Environmentally has	zardous:	-			
Special precautions	for user:	-			
Transporti	ng/shipment by sea	(IMDG)			
UN number:		Not subject to transport	regulations.		
UN proper shipping	name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmentally has	zardous:	-			
Special precautions	for user:	-			
Transporti	ng/shipment by air	(ICAO-TI/IATA-DGR)			
UN number:		Not subject to transport	regulations.		
UN proper shipping	name:				
Transport hazard cl		_			
Packing group:		_			
Environmentally ha	zardous:	_			
,	for user:	-			



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15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture			
	EU regulations			
	Authorization and/or restrictions of use			
	Authorizations:	-		
	Restrictions:	-		
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);		
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)			
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act		
15.2.	Chemical safety assessme	ent		
	None			

SECTION 16. Other information				
16.1.	Indication of changes:	-		
		PBT	Stable, bioaccumulative and toxic	
		vPvB	Strongly stable and strongly bioaccumulative.	
16.2.	Abbreviations and acronyms:	LD ₅₀	Lethal dose, 50%	
		LC ₅₀	Lethal concentration, 50%	
		STOT-SE	Specific target organ toxicity - single exposure	
16.3.	Key literature references and source of data:	-		



SAFETY DATA SHEET

BIOGNOST® According to Regulation (EC) No. 1907/2006 amended by Regulation (EU) No. 2020/878

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Trading name:	BIO-DIFF 2 REAGENT			
Product code:	BD2-OT-X**	Date of compilation: 14 November 2022	Version: 4	

16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)			
Classification		Classification procedure		
-		-		
16.5.	Relevant H statements (number and full text)			
	H: -	-		
16.6.	Training advice:	-		
		** "X" in the product code marks different volumes (different packagings of the product)		
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to Chemical safety assessment